



# INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

*We make Indiana a cleaner, healthier place to live.*

Frank O'Bannon  
Governor

Lori F. Kaplan  
Commissioner

July 29, 2003

100 North Senate Avenue  
P. O. Box 6015  
Indianapolis, Indiana 46206-6015  
(317) 232-8603  
(800) 451-6027  
[www.IN.gov/idem](http://www.IN.gov/idem)

TO: Interested Parties / Applicant

RE: Universal Forest Products 141-17420-00544  
Office of Air Quality

## Notice of Decision - Approval

Please be advised that on behalf of the Commissioner of the Department of Environmental Management, I have issued a decision regarding the enclosed matter. Pursuant to 326 IAC 2, this approval was effective immediately upon submittal of the application.

If you wish to challenge this decision, IC 4-21.5-3-7 requires that you file a petition for administrative review. This petition may include a request for stay of effectiveness and must be submitted to the Office Environmental Adjudication, ISTA Building, 150 W. Market Street, Suite 618, Indianapolis, IN 46204, **within eighteen (18) calendar days from the mailing of this notice**. The filing of a petition for administrative review is complete on the earliest of the following dates that apply to the filing:

- (1) the date the document is delivered to the Office of Environmental Adjudication (OEA);
- (2) the date of the postmark on the envelope containing the document, if the document is mailed to OEA by U.S. mail; or
- (3) The date on which the document is deposited with a private carrier, as shown by receipt issued by the carrier, if the document is sent to the OEA by private carrier.

The petition must include facts demonstrating that you are either the applicant, a person aggrieved or adversely affected by the decision or otherwise entitled to review by law. Please identify the permit, decision, or other order for which you seek review by permit number, name of the applicant, location, date of this notice and all of the following:

- (1) the name and address of the person making the request;
- (2) the interest of the person making the request;
- (3) identification of any persons represented by the person making the request;
- (4) the reasons, with particularity, for the request;
- (5) the issues, with particularity, proposed for considerations at any hearing; and
- (6) identification of the terms and conditions which, in the judgment of the person making the request, would be appropriate in the case in question to satisfy the requirements of the law governing documents of the type issued by the Commissioner.

If you have technical questions regarding the enclosed documents, please contact the Office of Air Quality, Permits Branch at (317) 233-0178. Callers from within Indiana may call toll-free at 1-800-451-6027, ext. 3-0178.

Enclosures

FNPERAM.wpd 8/21/02



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Jim Seufert  
Universal Forest Products  
50415 Herbert St.,  
Granger, IN 46530

141-17420-00544  
Re: First Notice-only change to  
Registration 141-15187-00544

Dear Mr. Seufert:

Universal Forest Products, Inc. was issued a Registration (R-141-16187-00544) on May 14, 2003 for a woodworking facility. A letter requesting approval to incorporate changes to the source was received on June 16, 2003.

Since the unit is exempt under the exemption levels specified in 326 IAC 2-1.1-3(d)(1) (Exemptions), and will comply with the same applicable requirements and permit terms and conditions as the existing emission units, the permit is hereby revised as follows, pursuant to the provisions of 326 IAC 2-5.5-6(d)(12) (with new language bolded and old language stricken):

- (a) Rough Sawing and Molding with a maximum capacity of 0.5 tons of woodwaste generated per hour, controlled by the Mill cyclone;
- (b) Shaving/Chipping process, with a maximum capacity of 0.5 tons of woodwaste generated per hour, controlled by the Hogger cyclone-; **and**
- (c) **Router with a maximum capacity of 0.125 tons of woodwaste generated per hour, controlled by a cyclone.**

Note: This unit is exempt because the potential to emit PM and PM-10 of 1.1 and 0.55 tons per year, respectively, is under the exemption levels specified in 326 IAC 2-1.1-3(d)(1) (Exemptions). The addition of this unit to this existing wood working facility will increase the source wide potential to emit PM and PM-10 to 11.1 and 5.55, therefore, the permit level remains at registration.

The following conditions shall be applicable:

- (1) 326 IAC 5-1-2 (Opacity Limitations)  
Pursuant to 326 IAC 5-1-2 (Opacity Limitations), except as provided in 326 IAC 5-1-3 (Temporary Alternative Opacity Limitations), opacity shall meet the following, unless otherwise stated in this permit:
  - (a) Opacity shall not exceed an average of thirty percent (30%) in any one (1) six (6) minute averaging period as determined in 326 IAC 5-1-4.
  - (b) Opacity shall not exceed sixty percent (60%) for more than a cumulative total of fifteen (15) minutes (sixty (60) readings as measured according to 40 CFR 60, Appendix A, Method 9 or fifteen

(15) one (1) minute nonoverlapping integrated averages for a continuous opacity) monitor in a six (6) hour period.

(2) Pursuant to 326 IAC 6-3-2(e) (Particulate Emission Limitations for Manufacturing Processes);:

- (a) The allowable particulate emission rate from the shaving/chipping and, rough sawing and molding processes shall each not exceed 2.5 pounds per hour when operating at a process weight rate of 0.5 tons per hour each. The pounds per hour limitation was calculated using the following equation: shaving/chipping, rough sawing and molding processes
- (b) **The allowable particulate emission rate from the router shall not exceed 1.02 pounds per hour when operating at a process weight rate of 0.125 tons per hour each. The pounds per hour limitation was calculated using the following equation:**

Interpolation of the data for the process weight rate up to sixty thousand (60,000) pounds per hour shall be accomplished by use of the equation:

$$E = 4.10 P^{0.67}$$

where E = rate of emission in pounds per hour and  
P = process weight rate in tons per hour

(3) 326 IAC 2-5.5 (Registration)

The particulate matter controlled emission factor for the hogging and milling processes shall not exceed 0.5 pounds per ton of sawdust. Compliance with this limit shall limit the source wide potential to emit PM and PM-10 to less than 25 tons per twelve (12) consecutive month period. Therefore, the requirements of 326 IAC 2-6.1 do not apply.

All other conditions of the permit shall remain unchanged and in effect.

This decision is subject to the Indiana Administrative Orders and Procedures Act - IC 4-21.5-3-5. If you have any questions on this matter please contact Alic Bent, at 973-575-2555 (ext. 3206) or 1-800-451-6027 press 0 and ask for extension 3-6878.

Sincerely,  
Original signed by Paul Dubenetzky

Paul Dubenetzky, Chief  
Permits Branch  
Office of Air Quality

Attachments  
AB/EVP

cc: File - St. Joseph County  
St. Joseph County Health Department  
Air Compliance - Rick Reynolds  
Northern Regional Office  
Permit Tracking  
Air Programs Section- Michelle Boner

Universal Forest Products, Inc.  
Granger, Indiana

Page 3 of 3  
Notice-only change No.: 141-17420-

00544

Permit Reviewer: AB/EVP

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Jim Seufert  
Universal Forest Products  
50415 Herbert St.,  
Granger, IN 46530

141-17420-00544  
First Notice-only change to  
Registration **141-15187-00544**

Dear Mr. Seufert:

The application from Universal Forest Products, Inc., received on November 21, 2001, has been reviewed. Based on the data submitted and the provisions in 326 IAC 2-5.5, it has been determined that the following wood working facility, located at 50415 Herbert St., Granger, Indiana 46530, is classified as registered:

- (a) Rough Sawing and Molding with a maximum capacity of 0.5 tons of woodwaste generated per hour, controlled by the Mill cyclone;
- (b) Shaving/Chipping process, with a maximum capacity of 0.5 tons of woodwaste generated per hour, controlled by the Hogger cyclone; and
- (c) Router with a maximum capacity of 0.125 tons of woodwaste generated per hour, controlled by a cyclone.

The following conditions shall be applicable:

- (1) 326 IAC 5-1-2 (Opacity Limitations)  
Pursuant to 326 IAC 5-1-2 (Opacity Limitations), except as provided in 326 IAC 5-1-3 (Temporary Alternative Opacity Limitations), opacity shall meet the following, unless otherwise stated in this permit:
  - (a) Opacity shall not exceed an average of thirty percent (30%) in any one (1) six (6) minute averaging period as determined in 326 IAC 5-1-4.
  - (b) Opacity shall not exceed sixty percent (60%) for more than a cumulative total of fifteen (15) minutes (sixty (60) readings as measured according to 40 CFR 60, Appendix A, Method 9 or fifteen (15) one (1) minute nonoverlapping integrated averages for a continuous opacity) monitor in a six (6) hour period.

(2) Pursuant to 326 IAC 6-3-2(e) (Particulate Emission Limitations for Manufacturing Processes):

- (a) The allowable particulate emission rate from the shaving/chipping and, rough sawing and molding processes shall each not exceed 2.5 pounds per hour when operating at a process weight rate of 0.5 tons per hour each. The pounds per hour limitation was calculated using the following equation: shaving/chipping, rough sawing and molding processes
- (b) The allowable particulate emission rate from the router shall not exceed 1.02 pounds per hour when operating at a process weight rate of 0.125 tons per hour each. The pounds per hour limitation was calculated using the following equation:

Interpolation of the data for the process weight rate up to sixty thousand (60,000) pounds per hour shall be accomplished by use of the equation:

$$E = 4.10 P^{0.67} \quad \text{where } E = \text{rate of emission in pounds per hour and} \\ P = \text{process weight rate in tons per hour}$$

(3) 326 IAC 2-5.5 (Registration)

The particulate matter controlled emission factor for the hogging and milling processes shall not exceed 0.5 pounds per ton of sawdust. Compliance with this limit shall limit the source wide potential to emit PM and PM-10 to less than 25 tons per twelve (12) consecutive month period. Therefore, the requirements of 326 IAC 2-6.1 do not apply.

An authorized individual shall provide an annual notice to the Office of Air Quality that the source is in operation and in compliance with this registration pursuant to 326 IAC 2-5.5-4(a)(3)). The annual notice shall be submitted to:

**Compliance Data Section  
Office of Air Quality  
100 North Senate Avenue  
P.O. Box 6015  
Indianapolis, IN 46206-6015**

no later than March 1 of each year, with the annual notice being submitted in the format attached.

An application or notification shall be submitted in accordance with 326 IAC 2 to the Office of Air Quality (OAQ) if the source proposes to construct new emission units, modify existing emission units, or otherwise modify the source.

Sincerely,

Original signed by Paul Dubenetzky

Paul Dubenetzky, Chief  
Permits Branch  
Office of Air Quality

AB/EVP

cc: File - St. Joseph County  
St. Joseph County Health Department  
Air Compliance - Rick Reynolds  
Northern Regional Office

## Registration

This form should be used to comply with the notification requirements under 326 IAC 2-5.5-4(a)(3)

<b>Company Name:</b>	Universal Forest Products, Inc.
<b>Address:</b>	50415 Herbert St., Granger, IN 46530
<b>City:</b>	Granger
<b>Authorized individual:</b>	Jim Seufert
<b>Phone #:</b>	(616) 364-6161
<b>Registration #:</b>	141-15187-00544

I hereby certify that Universal Forest Products, Inc. is still in operation and is in compliance with the requirements of Registration 141-15187-00544.

<b>Name (typed):</b>
<b>Title:</b>
<b>Signature:</b>
<b>Date:</b>

**Appendix A: Emission Calculations  
Woodworking Calculations**

**Company Name:** Universal Forest Products, Inc.  
**Address City IN Zip:** 50415 Herbert St., Granger, IN 46530  
**Notice only #:** 141-17420-00544  
**Reviewer:** AB/EVP  
**Date:** July 10, 2003

Process/Facility							
	Sawdust Production (tons/yr)	Emission Factor for PM (lb PM/ton of Sawdust)	PM Potential Emission (ton/yr)	PM-10 Potential Emission (ton/yr)	PM Controlled Emissions (ton/yr)	PM-10 Controlled Emissions (ton/yr)	Control Efficiency (%)
<b>Cyclone</b>							
Router	1,095	0.5	1.095	0.548	0.274	0.137	75

<b>Total Emissions (tons/yr)</b>	1.10	0.5475	0.27375	0.136875
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The Emission Factors listed in this table are for the calculation of control emissions for milling and hogging processes when using a Medium Efficiency Cyclone for particulate matter control and were taken from Oregon Dept. of Environmental Quality Air Contaminant Discharge Permit Application.

PM-10 fraction is fifty percent (50%) of total particulate matter for a medium efficiency cyclone.

Methodology:

PM Potential Emission (ton/yr) = (sawdust production)(tons/yr)\*(emission factor)(lb PM/ton sawdust)/((100-control efficiency)/100)/(2000 lb/ton)

PM-10 Potential Emission (ton/yr) = (PM Potential Emission)\*(50 %)/(2000 lb/ton)

PM Controlled Emission (ton/yr) = (sawdust production)(tons/yr)\*(emission factor)(lb PM/ton sawdust)/(2000 lb/ton)

PM-10 Controlled Emission (lb/yr) = (PM Controlled Emission)\*(50 %)/(2000 lb/ton)